

1 **CLAIMS**

2 What is claimed is:

3 1. A method of notifying a user of the activation of a domain, comprising:  
4 receiving a domain change request from a requesting entity;  
5 logging information obtained from the domain change request;  
6 monitoring a change implementation entity to determine when a domain specified  
7 in the domain change request has become active; and  
8 sending a notification to a recipient entity when the domain has been determined  
9 to become active.

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11 2. The method of claim 1, wherein the domain change request instructs the change  
12 implementation entity to create a new domain name.

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14 3. The method of claim 1, wherein the domain change request instructs the change  
15 implementation entity to update an existing domain name.

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17 4. The method of claim 1, wherein the logging of information obtained from the  
18 domain change request includes recording a domain name identified in the domain  
19 change request.

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21 5. The method of claim 1, wherein the logging of information obtained from the  
22 domain change request includes recording a time stamp that is related to a time at which  
23 the domain change request was made.

1           6. The method of claim 1, wherein the logging of information obtained from the  
2 domain change request includes recording a notification address used to send the  
3 notification to the recipient entity.

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5           7. The method of claim 1, wherein the logging of information obtained from the  
6 domain change request includes recording an updated name server address associated  
7 with the domain specified in the domain change request.

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9           8. The method of claim 1, wherein the monitoring of the change implementation  
10 entity includes determining whether a predetermined time has elapsed since the domain  
11 change request was received, and if so, querying the change implementation entity.

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13           9. The method of claim 8, wherein the monitoring includes determining the  
14 predetermined time by looking up the predetermined time in a configuration table.

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16           10. The method of claim 1, wherein the monitoring includes sending a domain  
17 name system (DNS) request to the change implementation entity, and receiving a reply  
18 back from the change implementation entity that reflects whether the domain is active or  
19 not.

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21           11. The method of claim 10, further including repeating the sending of a request  
22 and receiving of a reply until a reply is received that indicates that the domain is active.

1           12. The method of claim 10, wherein the reply received from the change  
2 implementation entity provides an address of a domain name server in the domain name  
3 system.

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5           13. The method of claim 12, wherein a determination of whether the domain is  
6 active or not is made by comparing the address specified in the reply with a stored  
7 updated name server address, wherein the domain is determined to be active when the  
8 address specified in the reply matches the stored updated name server address.

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10          14. The method of claim 1, wherein the sending of the notification comprises  
11 sending an electronic mail message to the recipient entity.

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13          15. A computer readable medium including machine readable instructions for  
14 implementing the receiving, logging, monitoring, and sending recited in claim 1.

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16          16. An apparatus for notifying a user of the activation of a domain, comprising:  
17 interface logic configured to receive a domain change request from a requesting  
18 entity;

19          monitoring setup logic configured to log information obtained from the domain  
20 change request;

21          monitoring logic configured to monitor a change implementation entity to  
22 determine when a domain specified in the domain change request has become active; and

23          notification logic configured to send a notification to a recipient entity when the  
24 domain has been determined to become active.

1           17. The apparatus of claim 16, wherein the domain change request instructs the  
2 change implementation entity to create a new domain name.

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4           18. The apparatus of claim 16, wherein the domain change request instructs the  
5 change implementation entity to update an existing domain name.

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7           19. The apparatus of claim 16, wherein the apparatus further includes a store, and  
8 wherein the monitoring setup logic is configured to record a domain name, in the store,  
9 that is identified in the domain change request.

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11           20. The apparatus of claim 1, wherein the apparatus further includes a store, and  
12 wherein the monitoring setup logic is configured to record a time stamp, in the store, that  
13 is related to a time at which the domain change request was made.

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15           21. The apparatus of claim 1, wherein the apparatus further includes a store, and  
16 wherein the monitoring setup logic is configured to record a notification address, in the  
17 store, used to send the notification to the recipient entity.

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19           22. The apparatus of claim 1, wherein the apparatus further includes a store, and  
20 wherein the monitoring setup logic is configured to record an updated name server  
21 address, in the store, associated with the domain specified in the domain change request.

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23           23. The apparatus of claim 1, wherein the monitoring logic is configured to  
24 determine whether a predetermined time has elapsed since the domain change request  
25 was received, and if so, query the change implementation entity.

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2 24. The apparatus of claim 23, wherein the apparatus further includes a store, and  
3 wherein the monitoring logic is configured to determine the predetermined time by  
4 looking up the predetermined time in a configuration table provided in the store.  
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6 25. The apparatus of claim 1, wherein the monitoring logic is configured to send a  
7 domain name system (DNS) request to the change implementation entity, and receive a  
8 reply back from the change implementation entity that reflects whether the domain is  
9 active or not.  
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11 26. The apparatus of claim 25, wherein the monitoring logic is further configured  
12 to repeat the sending of a request and receiving of a reply until a reply is received that  
13 indicates that the domain is active.  
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15 27. The apparatus of claim 25, wherein the reply received from the change  
16 implementation entity provides an address of a domain name server in the domain name  
17 system.  
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19 28. The apparatus of claim 27, wherein the monitoring logic is configured to  
20 determine whether the domain is active or not by comparing the address specified in the  
21 reply with a stored updated name server address, wherein the domain is determined to be  
22 active when the address specified in the reply matches the stored updated name server  
23 address.  
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1           29. The apparatus of claim 16, wherein the notification logic is configured to send  
2 the notification by sending an electronic mail message to the recipient entity.  
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4           30. A computer readable medium including machine readable instructions for  
5 implementing the interface logic, monitoring setup logic, monitoring logic, and  
6 notification logic as recited in claim 16.  
7

8           31. An apparatus for notifying a user of the activation of a domain, comprising:  
9 means for receiving a domain change request from a requesting entity;  
10 means for logging information obtained from the domain change request;  
11 means for monitoring a change implementation entity to determine when a  
12 domain specified in the domain change request has become active; and  
13 means for sending a notification to a recipient entity when the domain has been  
14 determined to become active.  
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16           32. A computer readable medium including machine readable instructions for  
17 implementing the means for receiving, means for logging, means for monitoring, and  
18 means for sending recited in claim 31.  
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